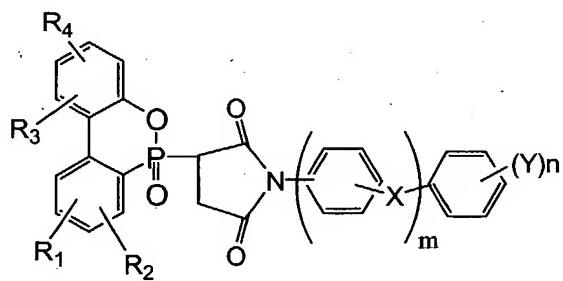


Abstract

A phosphorus containing compound having the following structure is disclosed, which can be blended a resin or reacted with a compound to form a flame retardant resin:

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wherein R₁-R₄ independently are H or C₁-C₄ alkyl; X is a single bond,

-CH₂-, -C(CH₃)₂-, —C(=O)—O—, —O—C(=O)O—, -O-, -S-, -SO₂-, Y is H, C₁-C₄ alkyl,
-OH, -NH₂, -NO₂, -COOH, -CHO, or —OCH₂CHCH₂; m is integer of 0-2; and
n is an integer of 1-4.

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